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Pulse Specialty Components

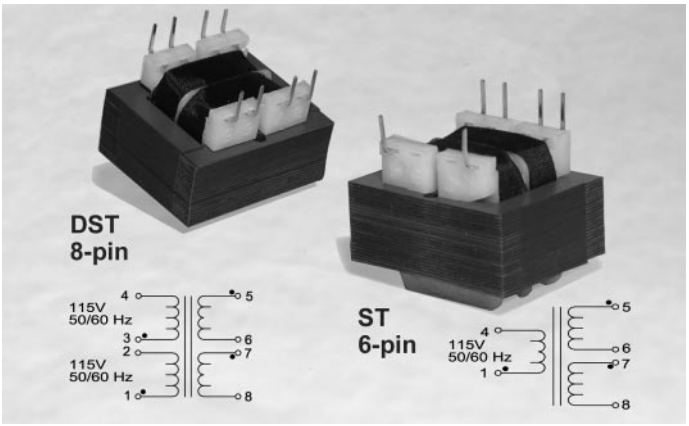
Split Bobbin Horizontal Profile Plug-in Transformers

for PC board power isolation

Part Number	Secondary RMS Rating	
	Series	**Parallel**
ST 2-10B41 [1] ST 3-10B1 [1] ST 4-10B2 ST 5-10B3 ST 6-10B4 ST 7-10B51	10V C.T. @ 0.11A 10V C.T. @ 0.25A 10V C.T. @ 0.6A 10V C.T. @ 1.2A 10V C.T. @ 2A 10V C.T. @ 3.6A	5V @ 0.22A 5V @ 0.5A 5V @ 1.2A 5V @ 2.4A 5V @ 4A 5V @ 7.2A
ST 2-12B42 [1] ST 3-12B5 [1] ST 4-12B6 ST 5-12B7 ST 6-12B8 ST 7-12B52	12.6V C.T. @ 0.09A 12.6V C.T. @ 0.2A 12.6V C.T. @ 0.5A 12.6V C.T. @ 1.0A 12.6V C.T. @ 1.6A 12.6V C.T. @ 2.85A	6.3V @ 0.18A 6.3V @ 0.4A 6.3V @ 1.0A 6.3V @ 2.0A 6.3V @ 3.2A 6.3V @ 5.7A
ST 2-16B43 [1] ST 3-16B9 [1] ST 4-16B10 ST 5-16B11 ST 6-16B12 ST 7-16B53	16V CT. @ 0.07A 16V C.T.@ 0.15A 16V C.T.@ 0.4A 16V C.T.@ 0.8A 16V C.T.@ 1.25A 16V C.T.@ 2.25A	8V @ 0.14A 8V @ 0.3A 8V @ 0.8A 8V @ 1.6A 8V @ 2.5A 8V @ 4.5A
ST 2-20B44 [1] ST 3-20B13 [1] ST 4-20B14 ST 5-20B15 ST 6-20B16 ST 7-20B54	20V C.T. @ 0.055A 20V C.T. @ 0.12A 20V C.T. @ 0.3A 20V C.T. @ 0.6A 20V C.T. @ 1A 20V C.T. @ 1.8A	10V @ 0.11A 10V @ 0.24A 10V @ 0.6A 10V @ 1.2A 10V @ 2A 10V @ 3.6A
ST 2-24B45 [1] ST 3-24B17 [1] ST 4-24B18 ST 5-24B19 ST 6-24B20 ST 7-24B55	24V C.T. @ 0.045A 24V C.T. @ 0.1A 24V C.T. @ 0.25A 24V C.T. @ 0.5A 24V C.T. @ 0.8A 24V C.T. @ 1.5A	12V @ 0.09A 12V @ 0.2A 12V @ 0.5A 12V @ 1.0A 12V @ 1.6A 12V @ 3.0A
ST 2-28B46 ST 3-28B21 ST 4-28B22 ST 5-28B23 ST 6-28B24 ST 7-28B56	28V C.T. @ 0.04A 28V C.T. @ 0.085A 28V C.T. @ 0.2A 28V C.T. @ 0.42A 28V C.T. @ 0.7A 28V C.T. @ 1.3A	14V @ 0.08A 14V @ 0.17A 14V @ 0.4A 14V @ 0.84A 14V @ 1.4A 14V @ 2.6A
ST 2-36B47 ST 3-36B25 ST 4-36B26 ST 5-36B27 ST 6-36B28 ST 7-36B57	36V C.T. @ 0.03A 36V C.T. @ 0.065A 36V C.T. @ 0.17A 36V C.T. @ 0.35A 36V C.T. @ 0.55A 36V C.T. @1.0A	18V @ 0.06A 18V @ 0.13A 18V @ 0.34A 18V @ 0.7A 18V @ 1.1A 18V @ 2.0A
ST 2-48B48 ST 3-48B29 ST 4-48B30 ST 5-48B31 ST 6-48B32 ST 7-48B58	48V C.T. @ 0.023A 48V C.T. @ 0.05A 48V C.T. @ 0.125A 48V C.T. @ 0.25A 48V C.T. @ 0.4A 48V C.T. @ 0.75A	24V @ .046A 24V @ 0.1A 24V @ 0.25A 24V @ 0.5A 24V @ 0.8A 24V @ 1.5A
ST 2-56B49 ST 3-56B33 ST 4-56B34 ST 5-56B35 ST 6-56B36 ST 7-56B59	56V C.T. @ 0.02A 56V C.T. @ 0.045A 56V C.T. @ 0.11A 56V C.T. @ 0.22A 56V C.T. @ 0.35A 56V C.T. @ 0.65A	28V @ 0.04A 28V @ 0.09A 28V @ 0.22A 28V @ 0.44A 28V @ 0.7A 28V @ 1.3A
ST 2-120B50 ST 3-120B37 ST 4-120B38 ST 5-120B39 ST 6-120B40 ST 7-120B60	120V C.T. @ 0.01A 120V C.T. @ 0.02A 120V C.T. @ 0.05A 120V C.T. @ 0.1A 120V C.T. @ 0.16A 120V C.T. @ 0.3A	60V @ 0.02A 60V @ 0.04A 60V @ 0.1A 60V @ 0.2A 60V @ 0.32A 60V @ 0.6A

Primary Ratings (Other primary ratings available on request.)

No First Letter	115V	50/60 Hz	6-pin
"D" First Letter	115/230V	50/60 Hz	8-pin



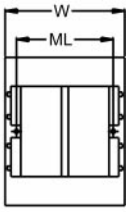
Split-bobbin: primaries and secondaries are wound side-by-side rather than concentrically to obtain the benefits listed below.

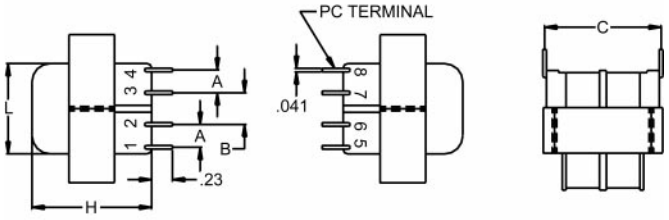
FEATURES

- High (2500V) isolation. 2500V RMS HIPOT
- Non-concentric design -- eliminates ESS
- No crossover contact between primary and secondary leads
- Vacuum impregnated -- withstands modern board washing systems and reduces audible noise
- Baked resin -- provides fully cured and environmentally resistant finish
- Rugged construction -- no additional mounting hardware
- Universal design -- compatible with industry-standard footprints
- Available in single or dual primary
- Secondaries can be connected in series or parallel

AGENCY APPROVALS

- UL, 506, File E73539
- UL 1446, File E80130
- UL 1585 File E169010[1]
- CSA 22.2#66, File LR68051-2
- UL Recognized Class B





NOTE: PINS 2 AND 3 ARE OMITTED ON SINGLE PRIMARY VERSIONS

Size	VA	L	W	H	ML	A	B	C	weight
2	1.1	1.13	1.13	0.94	----	.250	.250	1.200	0.17 lb
3	2.4	1.38	1.13	1.19	----	.250	.250	1.200	0.25 lb
4	6	1.63	1.31	1.31	1.06	.250	.350	1.280	0.44 lb
5	12	1.86	1.56	1.44	1.25	.300	.400	1.410	0.70 lb
6	20	2.25	1.86	1.44	1.50	.300	.400	1.600	0.80 lb
7_2	36	2.63	2.19	1.56	Note 2	.400	.400	1.800	1.10 lb

NOTES

[1] UL 1585, Class 2, Component Recognition.

[2] Size 7 has 4 mtg. holes on 2 $^3/_{16}$ x 1 $^3/_4$ centers.

Pulse Specialty Components reserves the right to make changes without notice.

WARRANTY

Pulse Specialty Components warrants for a period of 90 days from the date of shipment, that under normal use and service, its products will be free from defects in workmanship and material. Pulse Specialty Components' sole responsibility under this warranty is, at its option, to repair or replace, without charge, any defective product or part, or to credit buyer for the purchase price of such defective product, provided**:**

1) Buyer promptly notifies Pulse Specialty Components in writing within the warranty period, and

2) The defective product or part is returned to Pulse Specialty Components with transportation charges prepaid by Buyer, and

3) Pulse Specialty Components examination of such product shall disclose to its satisfaction that said defect exists and has not been caused by misuse, neglect, improper installation, repair or alteration, or accident.

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